

**COMBINED DECLARATION AND POWER OF ATTORNEY**

As the below named inventor(s), I (we) hereby declare that:

My (Our) residence, post office address and citizenship(s) are as stated below next to my (our) name(s).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**NANOCRYSTAL/SOL-GEL NANOCOMPOSITES**

the specification of which (check one)  is attached hereto  was filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I (We) hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including claims, as amended by any amendment referred to above.

I (We) acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I (We) hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**PRIOR FOREIGN APPLICATION(S)**

Priority  
Claimed

| Number | Country | Filed (Day/Month/Year) |
|--------|---------|------------------------|
|--------|---------|------------------------|

**PRIOR U.S. APPLICATIONS**

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

|                      |             |
|----------------------|-------------|
| (Application Number) | Filing Date |
|----------------------|-------------|

|                      |             |
|----------------------|-------------|
| (Application Number) | Filing Date |
|----------------------|-------------|

I (We) hereby claim the benefit under 35 USC §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Serial No. | Filing Date | Status |
|------------|-------------|--------|
|------------|-------------|--------|

**POWER OF ATTORNEY**

As the named inventor(s), I (we) hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

|  |                                     |
|--|-------------------------------------|
| <b>CORRESPONDENCE ADDRESS FOR<br/>CUSTOMER NUMBER:</b> | <b>Direct Telephone Calls to:</b>   |
| 35068  | Bruce H. Cottrell<br>(505) 667-9168 |

**DECLARATION**

I (We) hereby declare that all statements made herein of my (our) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|  |  |
|--|--|
| Melissa A. Petruska                                  |  |
| Full Name of Inventor                                | Signature  |
| Los Alamos, New Mexico                               | 11/17/03   |
| Residence (City, State or Foreign Country)           | Date   |
| 2004-A 23 <sup>rd</sup> Street, Los Alamos, NM 87544 | US   |
| Postal Address (Street, City, State, Zip Code)       | Citizenship  |
| Victor L. Klimov                                     |  |
| Full Name of Inventor                                | Signature  |
| Los Alamos, New Mexico                               | 11/17/03   |
| Residence (City, State or Foreign Country)           | Date   |
| 569 S. Todd Loop, Los Alamos, NM 87544               | US   |
| Postal Address (Street, City, State, Zip Code)       | Citizenship  |
|  |  |
| Full Name of Inventor                                | Signature  |
|  |  |
| Residence (City, State or Foreign Country)           | Date   |
|  |  |
| Postal Address (Street, City, State, Zip Code)       | Citizenship  |
|  |  |
| Full Name of Inventor                                | Signature  |
|  |  |
| Residence (City, State or Foreign Country)           | Date   |
|  |  |
| Postal Address (Street, City, State, Zip Code)       | Citizenship  |
|  |  |
| Full Name of Inventor                                | Signature  |
|  |  |
| Residence (City, State or Foreign Country)           | Date   |
|  |  |
| Postal Address (Street, City, State, Zip Code)       | Citizenship  |